

# Montgomery Scott

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## Education

**B.S. Aerospace Engineering** — Starfleet Academy

Graduation: May 2025

Relevant Coursework: Aerodynamics, Flight Dynamics, Aircraft Structures, Propulsion, Systems Integration

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## Experience

### Flight Test Engineer

Daystrom Station — July 2025 – Present

- Plan, execute, and analyze flight and ground test activities for prototype and production aircraft.
- Develop test plans, procedures, instrumentation requirements, and safety documentation aligned with FAA standards.
- Review telemetry and onboard data to verify system performance and identify anomalies.
- Coordinate with systems, manufacturing, and certification teams to ensure test readiness and regulatory compliance.
- Prepare post-test reports and mentor interns on data analysis and instrumentation use.

### Flight Test Engineer Intern

Daystrom Station — June 2024 – June 2025

- Supported engineering and mechanical teams in preparing flight and fabrication reports, weight-and-balance forms, and safety checklists.
  - Participated in test coordination meetings, on-aircraft ground testing, and instrumentation installs.
  - Gained practical knowledge of aircraft systems, test documentation, and FAA regulatory procedures.
  - Contributed to flight readiness reviews for new aircraft, supporting EMI tests, fit checks, and remote-site preparations.
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## Technical Skills

MATLAB • Python • CATIA • SolidWorks • LabVIEW • NI Data Acquisition Systems • Flight Data Analysis • Instrumentation Setup • Test Planning • FAA Part 23/25 Familiarity

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## Projects

Flight Data Processing and Analysis Tool — Developed MATLAB scripts to automate data visualization and parameter trend tracking for ground tests.

Wind Tunnel Testing Project — Conducted aerodynamic testing and calibration for UAV wing models in university wind tunnel.